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添付公開書類:

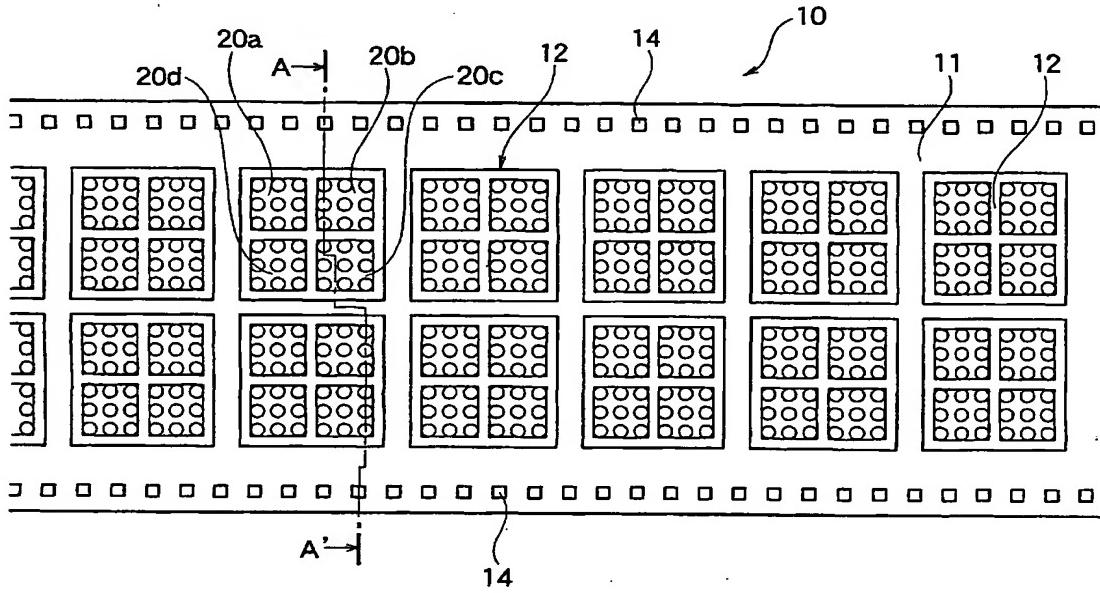
— 国際調査報告書

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2文字コード及び他の略語については、定期発行される各PCTガゼットの巻頭に掲載されている「コードと略語のガイドスノート」を参照。

(54) Title: FILM CARRIER TAPE FOR MOUNTING ELECTRONIC COMPONENT

(54) 発明の名称: 電子部品実装用フィルムキャリアテープ



(57) Abstract: A film carrier tape for mounting electronic components having a large number of wiring patterns of a conductive metal formed on the surface of a long insulating film, characterized in that each wiring pattern is covered independently with a solder resist layer except for the part of connecting terminal, and the solder resist layer formed on the surface of each wiring pattern is divided into a plurality of sections. Warp can be reduced in the film carrier tape for mounting a large number of electronic components cut in the widthwise direction as with the case of CSP, COF, BGA, or the like.

(57) 要約: 本発明の電子部品実装用フィルムキャリアテープは、長尺の絶縁フィルムの表面に導電性金属からなる多数の配線パターンが形成されてなる電子部品実装用フィルムキャリアテープにおいて、該それぞれの配線パターンが、

(統葉有)

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# INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/12972

**A. CLASSIFICATION OF SUBJECT MATTER**

Int.Cl<sup>7</sup> H01L21/60, 23/12

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl<sup>7</sup> H01L21/60, 23/12

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1922-1996	Toroku Jitsuyo Shinan Koho	1994-2004
Kokai Jitsuyo Shinan Koho	1971-2004	Jitsuyo Shinan Toroku Koho	1996-2004

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 6-5662 A (Hitachi Cable, Ltd.), 14 January, 1994 (14.01.94), Column 4, line 45 to column 5, line 34; Fig. 2 (Family: none)	1,3,5,8,9
Y	JP 5-29395 A (Mitsui Mining & Smelting Co., Ltd.), 05 February, 1993 (05.02.93), Column 3, line 30 to column 4, line 20; Figs. 2 to 4 (Family: none)	2
A	JP 60-216573 A (Suwa Seikosha Kabushiki Kaisha), 30 October, 1985 (30.10.85), (Family: none)	1-9

Further documents are listed in the continuation of Box C.  See patent family annex.

\* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
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- "Q" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search  
06 January, 2004 (06.01.04)

Date of mailing of the international search report  
20 January, 2004 (20.01.04)

Name and mailing address of the ISA/  
Japanese Patent Office

Authorized officer

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Telephone No.

**INTERNATIONAL SEARCH REPORT**

International application No.

PCT/JP03/12972

**C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 11-145205 A (Hitachi Cable, Ltd.), 28 May, 1999 (28.05.99), (Family: none)	1-9